

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



Rec'd PCT/PTO 30 NOV 2004



(43) International Publication Date
11 December 2003 (11.12.2003)

PCT

(10) International Publication Number
WO 03/101468 A1

(51) International Patent Classification⁷: **A61K 31/7088**,
31/522, 31/675, A61P 35/00

(21) International Application Number: PCT/EP03/05753

(22) International Filing Date: 2 June 2003 (02.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/384,114 31 May 2002 (31.05.2002) US
60/387,438 11 June 2002 (11.06.2002) US

(71) Applicant (for all designated States except US): **UNIVERSITÄT REGENSBURG** [DE/DE]; Universitätsstrasse 31, 93053 Regensburg (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **EISSNER, Günther** [DE/DE]; Taubengässchen 5, 93047 Regensburg (DE).
HOLLER, Ernst [DE/DE]; Riesengebirgstrasse 2, 93161 Sinzing (DE).

(74) Agent: **BEHNISCH, Werner**; Patent Attorneys Reinhard, Skuhra, Weise & Partner GbR, Friedrichstr. 31, 80801 München (DE).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR THE PROTECTION OF ENDOTHELIAL AND EPITHELIAL CELLS DURING CHEMOTHERAPY

(57) **Abstract:** The present invention is directed to the use of a protective oligodeoxyribonucleotide for the treatment of a patient undergoing treatment with an immunosuppressant. The invention is further directed to a pharmaceutical composition containing a therapeutically effective dose of an immunosuppressant and of a protective oligodeoxyribonucleotide.



WO 03/101468 A1